

0-36-600327- 2

15 September 1966

TYPE II SYSTEM
CONTRACT O-TM-483

Subject: Type II Color Capability

Reference: In-House Investigation

PROBLEM:

With the advent of the use of color film in the recon community, the Type II system color capability has been reviewed.

DISCUSSION:

In order to handle color film, such as SO-121, in the Type II configuration, the following design changes would be required:

1. Lens change to achromatic type.
2. Supply transport spindle redesign to compensate for difference in SO-121 film thickness.
3. Slit assembly change to accommodate differences in film emulsion speed.

In addition to the aforementioned design changes, testing would also be required to determine what effects the thermal "oven bay" environment might have on the color output.

CONCLUSION:

A major redesign of the Type II system optics is required in order to use color film such as SO-121.

RECOMMENDATIONS:

Type II does not recommend that the color capability redesign work be considered for the present units. Should other configuration units be procured, then the color capability could be included in the basic design.

ATTACHMENT 8

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R.O.M. TIME-COST ESTIMATE:

Redesign would be in the order of 12 months
 per configuration system.

25X1

25X1

ATTACHMENT 8